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**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**AAA CONCENTRATION
SHANG-HAI MUNICIPALITY
CHINA**

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AAA CONCENTRATION
SHANG-HAI MUNICIPALITY, CHINA

ABSTRACT

1. This report describes increases in antiaircraft artillery (AAA) activity in Shang-hai municipality between July 1971 and January 1972. The report includes text, a location map, seven photographs, two tables containing locations and numbers of guns observed at AAA sites and storage areas, and references.

INTRODUCTION

2. The largest concentration of AAA ever observed in China was identified in Shang-hai municipality (Figure 1) on photography [redacted]. A total of 1,315 guns was observed throughout the municipality of which 525 were at Feng-hsien Possible AAA Training Area [redacted]. This was the most AAA pieces ever observed at a single location in China. On photography [redacted] however, all but 16 AAA pieces had been removed from Feng-hsien. Cloud cover precluded the detection of change throughout the remainder of the municipality.

Table 1. AAA Sites, Shang-hai Municipality, [redacted]
(Item numbers keyed to Figure 1)

Item No	Location**	Number of Positions	Number of Guns	Remarks	
1	31-25-15N 121-27-45E	8	8	Site is new since [redacted]	25X1
2	31-23-35N 121-13-51E	4	8		
3	31-23-50N 121-29-40E	8	8		
4	31-23-25N 121-27-30E	4	0		
5	31-23-10N 121-28-20E	8	8	New 9-position AAAW	
6	31-23-25N 121-30-51E	6	6		
7	31-23-15N 121-30-55E	6	6		
8	31-21-42N 121-28-30E	6	10		
9*	31-22-05N 121-30-35E	6	8		
10	31-22-20N 121-32-20E	10	8		
11	31-22-08N 121-33-00E	8	8		
12	31-21-50N 121-34-50E	9	8		
13	31-21-25N 121-31-40E	8	8		
14*	31-21-20N 121-33-37E	6	8		
15*	31-21-30N 121-34-15E	6	8		
16	31-20-48N 121-29-39E	8	8		
17*	31-20-55N 121-30-00E	6	6		25X1
18	31-20-30N 121-31-00E	8	8		
19*	31-20-35N 121-33-55E	6	8		
20	31-20-15N 121-36-00E	8	8		
21	31-20-40N 121-37-00E	4	4		25X1
22*	31-19-50N 121-24-45E	6	6		
23	31-19-55N 121-26-20E	6	12		
24*	31-19-32N 121-30-27E	4	4		
25*	31-20-05N 121-30-45E	6	6		
26	31-19-50N 121-35-52E	6	4		
27*	31-19-25N 121-24-00E	6	6		
28*	31-19-10N 121-25-00E	6	6		
29*	31-19-00N 121-31-50E	8	8		25X1
30	31-19-00N 121-36-20E	4	4		
31	31-19-15N 121-38-00E	4	4		
32	31-18-50N 121-24-30E	12	6		
Site contains six unoccupied positions with adjacent gun-storage bunkers and six occupied revetted positions.					
33*	31-18-55N 121-25-20E	6	6	New AAAW site possibly still under construction. Site is new since [redacted]	25X1
34	31-18-20N 121-26-30E	4	12		
35	31-18-47N 121-29-40E	8	8		
36	31-18-12N 121-29-44E	5	4		
37	31-16-52N 121-27-24E	6	6		
38	31-18-05N 121-34-00E	4	8		
39	31-18-05N 121-36-55E	4	4		
40	31-18-20N 121-40-10E	4	0		
41	31-16-30N 121-24-50E	4	12	Two extra guns were present on [redacted]	25X1
42	31-16-05N 121-33-13E	4	4		
43	31-16-26N 121-33-34E	6	8		
44*	31-15-41N 121-33-49E	8	8		
45	31-17-15N 121-36-00E	8	8	Construction underway on [redacted] now appears complete. [redacted] has	25X1
46	31-17-48N 121-37-50E	4	4		
47	31-15-25N 121-23-08E	4	0		
48*	31-16-33N 121-33-11E	6	6		
49	31-15-30N 121-37-16E	8	8	[redacted] site contained four positions and eight guns. [redacted] the four original positions were not in use. Seven guns were in new revetments and one gun was in an unrevetted position.	25X1
50	31-14-48N 121-35-05E	8	8		
51	31-13-49N 121-19-08E	8	6		
52	31-13-54N 121-33-50E	8	8		
53	31-12-40N 121-32-04E	8	8	Site contained six positions with adjacent gun-storage bunkers [redacted]	25X1
54*	31-12-02N 121-19-50E	6	6		
55*	31-12-15N 121-20-45E	6	6		
56	31-12-45N 121-22-00E	6	6		
57	31-11-05N 121-20-28E	6	6	Site contained six positions on [redacted]	25X1
58	31-11-20N 121-22-53E	8	8		
59	31-11-10N 121-29-44E	6	6		
60	31-11-05N 121-28-10E	4	4		
61	31-10-52N 121-29-22E	4	4	Six positions have adjacent gun-storage bunkers. Six positions have adjacent gun-storage bunkers.	
62*	31-10-43N 121-29-42E	6	8		
63	31-10-06N 121-28-43E	8	8		
64	31-10-45N 121-31-00E	8	8		
65	31-10-37N 121-26-15E	8	8	One position is newly revetted; one position is possibly being revetted. Site contained six positions with adjacent gun-storage bunkers [redacted]	25X1
66	31-09-40N 121-26-40E	8	8		
67	31-09-05N 121-30-10E	8	8		
68	31-08-40N 121-23-40E	8	8		
69	30-59-30N 121-22-40E	4	4	Site is new since [redacted] One	25X1
70	30-49-25N 121-23-35E	6	6		
71*	31-20-15N 121-24-25E	6	6		

*Site has gun-storage bunkers adjacent to each firing position.
**All coordinates in Tables 1 and 2 have been derived from 1:50,000 scale maps and are accurately portrayed on Figure 1.

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BASIC DESCRIPTION

3. Activity was high at AAA sites around Shang-hai (Table 1). Of 71 sites identified, 68 were occupied by a total of 479 guns. Six sites had been constructed since July 1971 and three others had been expanded (Figure 2). There were extra guns observed at 11 of the occupied sites (Figure 3). Two new antiaircraft automatic weapons (AAAW) sites were identified for the first time in Shang-hai (Figure 4). Similar AAAW positions were seen at Feng-hsien.

4. A total of 311 AAA pieces were observed in storage and dispersed throughout the Shang-hai municipality (Table 2). The largest number of guns was stored at Shang-hai Warehouse Area 1 [redacted] where 149 guns were identified (Figure 5). The previous high count at this area was 19 AAA pieces [redacted]. An additional 162 guns were parked at 22 different locations throughout the municipality. At some locations, the guns were on circular pads which suggest a possible operational capability (Figure 6). Only 18 guns were present at three of the locations [redacted]

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5. At Feng-hsien Possible AAA Training Area, at 30-50-30N 121-31-20E on the coast of Hang-chou Bay, 525 AAA pieces, ranging in size from AAAW through heavy AAA, were deployed in configurations which included 42 six-gun batteries and 16 eight-gun batteries (Figures 7 and 8). The remainder of the guns were in four-,

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four-/eight-, and nine-gun batteries. Also observed were 725 trucks, 140 pieces of AAA-associated equipment, and approximately 125 tents.

6. This area was first identified on photography [] when 125 AAA pieces were observed. The facility contains a training area consisting of nine training loops with ten firing positions, a calibration area with three calibration ranges, two small-arms firing ranges, a bivouac area, and two barracks areas.

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Table 2. AAA Storage, Shang-hai Municipality, []

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<u>Geographic Coordinates</u>	<u>Number of Guns</u>	<u>Remarks</u>
31-25-25N 121-27-32E	10	Area contained one group of six guns and one group of four guns.
31-24-39N 121-25-24E	10	Guns were parked in a staggered 3-2-3-2 arrangement.
31-23-20N 121-15-02E	4	
31-22-40N 121-13-40E	3	
31-20-33N 121-31-17E	8	Guns were present []
31-19-40N 121-28-40E	149	This location is the Shang-hai Warehouse Area 1 []
31-17-52N 121-17-50E	6	
31-18-09N 121-21-59E	4	Guns were on pads.
31-19-15N 121-24-10E	6	Guns were on pads. This is Shang-hai Army Bks AL 3 []
31-17-02N 121-26-50E	6	Guns were on pads.
31-17-58N 121-30-38E	8	
31-18-04N 121-31-15E	6	
31-18-08N 121-32-44E	6	
31-14-34N 121-30-32E	6	
31-12-44N 121-24-39E	3	Guns were previously observed here.
31-11-38N 121-28-27E	6	Guns were on pads.
31-11-58N 121-29-25E	24	
31-04-50N 121-27-19E	6	Guns were on pads.
31-04-17N 121-27-12E	6	Guns were on pads.
31-00-25N 121-13-50E	12	Seven guns were here on []
30-59-58N 121-16-15E	12	
31-00-29N 121-23-50E	4	
30-59-56N 121-24-10E	6	

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REFERENCES

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MAPS

SAC. USATC, Series 200, Sheet 0492-2HL, scale 1:200,000

SAC. USATC, Series 200, Sheet 0492-7HL, scale 1:200,000

Army TOPOCOM. Series L784, Sheets 9248 I, 9248 II, 9249 II, 9348 IV, 9349 III, scale 1:50,000

REQUIREMENT

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